

M-FLEX LIGHTING SYSTEM

Integrated LED Lighting Technology



HDT's M-Flex Lighting System sets the standard in efficiency for expeditionary lighting. M-Flex lights are designed for rapid installation and, once installed in the shelter, the ultra low-profile, flexible lights can be left in place, speeding subsequent set-up / strike times.

Available in 40', 60', and 80' lengths with white-only light or white / blackout light, one system provides bright, even light for a shelter interior. Light strings can be daisy-chained together for larger shelter applications.

The M-Flex Lighting System has an integrated power supply and dimmer switch and can operate using either AC or optional DC power sources. The system is lightweight and water-resistant and is built to operate in rugged environments.

The HDT M-Flex Lighting System significantly reduces shadowing compared with tube and pendant type fixtures and operates in white light or blackout modes.



KEY FEATURES

- Easy installation and one-time set-up
- White and blackout lights
- Full dimming capability
- IP67 rated power supply
- Light built to IP67 standard
- Continuous light source with very low shadowing
- >50,000 hour life span
- AC and DC input power options
- Custom moulded connections with incorporated seal-locking system

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Ordering information	40' – Shelter Light Strand System	60' – Shelter Light Strand System	80' – Shelter Light Strand System
HDT part number			
White Light	104-H038161	104-H038162	104-H038163
Blackout Light	104-H038164	104-H038165	104-H038166
HDT Shelter Models			
	AirBeam® 2011, Base-X® 203, 303, DRASH® 1-2-3 XB	AirBeam® 2021, Base-X® 205, 305, 505 DRASH® 4-5-6 XB, MX	AirBeam® 2032, 3236, Base-X® 307, Domes, DRASH® MX5, M, J
Light Type			
	M-Flex LED	M-Flex LED	M-Flex LED
Lifetime (typ)			
	>50,000 hours	>50,000 hours	>50,000 hours
Dimensions			
Light Strip Length	40' 12.2 m	60' 18.3 m	80' 24.4 m
Light Strip Dimensions	0.35" x 0.26" 9 x 6.5 mm	0.35" x 0.26" 9 x 6.5 mm	0.35" x 0.26" 9 x 6.5 mm
Power Cable Length	19.7' 6 m	19.7' 6 m	19.7' 6 m
Bag Size	11.8 x 15.7 x 4.7" 300 x 400 x 120 mm	11.8 x 15.7 x 4.7" 300 x 400 x 120 mm	11.8 x 15.7 x 4.7" 300 x 400 x 120 mm
Weight			
	12 lbs 5.4 kg	15 lbs 6.8 kg	20 lbs 9.07 kg
Power			
	24 vdc	24 vdc	24 vdc
Amps			
	0.6 / m	0.6 / m	0.6 / m
Watts			
	15 / m	15 / m	15 / m
Lumens			
	900 / m avg.	900 / m avg.	900 / m avg.
Total Lumens (12 m)			
	10,450 lm	10,450 lm	10,450 lm
IP Rating			
	IP67	IP67	IP67
CC			
	4200K	4200K	4200K
CRI			
	94	94	94
Voltage Drop			
	<10% 12 m	<10% 12 m	<10% 12 m

Products, product specifications and data are subject to change without notice to improve reliability, function, and/or design. Please contact Customer Service at 800.969.8527 for the most up-to-date product information.



Each M-Flex Lighting System comes with either 40', 60' or 80' flexible light strip of fully-dimmable lights. The system packs into a rugged waterproof cordura bag with integrated control box and power supply.

HDT Expeditionary Systems, Inc.
 30500 Aurora Road, Suite 100
 Solon, OH 44139 USA
 P 800.969.8527 / 216.HDT.6111
 sales@hdtglobal.com

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